

All personnel responsible for developing, reviewing and approving a single source determination shall ensure that sound business judgment is applied in researching, documenting and approving such actions. The rationale for a single source determination is not constrained by this form. If filled out electronically, the form will expand to the written narrative. If not available electronically, the drafter shall attach continuation sheets to ensure rationale is fully supported.

SIMPLIFIED ACQUISITION PROCEDURES (SAP)

SINGLE SOURCE DETERMINATION FOR ACQUISITIONS NOT EXCEEDING THE SIMPLIFIED ACQUISITION THRESHOLD AS DEFINED IN FAR 2.101

SOLICITATIONS MAY BE LIMITED TO ONE SOURCE ONLY IF THE CONTRACTING OFFICER (*within its warrant authority*) DETERMINES THAT ONLY ONE SOURCE IS AVAILABLE IAW FAR 13.106-1(b). THIS DETERMINATION SHALL BE SUPPORTED WITH FULL JUSTIFICATION FOR SINGLE SOURCE FROM THE CUSTOMER. THE CUSTOMER SHALL PROVIDE THE FOLLOWING INFORMATION:

QUOTE/SOLICITATION NUMBER: To be determined upon approval of this justification and related documentation. 2 (PS)

ESTIMATED AMOUNT (Not exceeding \$150,000):

N37430-14-T-1491

DESCRIPTION OF SUPPLIES OR SERVICES REQUIRED AND THE INTENDED USE: The Navy Geothermal Program Office (GPO) requires upgrading the hardware of its microearthquake network located at the Naval Air Weapons Station, China Lake, California. The network consists of 17 short-period seismic stations. Each seismic station has a Europa RF digitizer box which has a HRD-24 high resolution recorder/digitizer unit, GPS receiver, and FreeWave Spread Spectrum RF Transceiver.

The Europa device is obsolete and has not been supported by the manufacturer. Therefore, the GPO wants to replace the old Europa with more advanced equipment: the Ref Tek 130S. This device, a seismic recorder (digitizer), incorporates 3rd generation 24-bit delta sigma type analog-to-digital converter, compact flash for data storage, and a high-precision TCXO and an external reference provided by the GPS Receiver / Clock that uses the Global Positioning System (GPS) for time, frequency, and position reference.

UNIQUE CHARACTERISTICS THAT LIMIT AVAILABILITY TO ONLY ONE SOURCE, WITH THE REASON NO OTHER SUPPLIES OR SERVICES CAN BE USED: The Ref Tek 130S Broadband Seismic Recorder has been designed to be easier to use, i.e. more compact, lighter in weight, lower power use, and requiring less maintenance than other recorders. Not only is the hardware optimized for field deployments, software tools have been specially developed to support both field and base station operations.

REASON THAT SUGGESTED SOURCE IS THE ONLY SOURCE WHICH CAN PROVIDE THE SUPPLIES OR SERVICES: Because the GPO has in inventory 10 Ref Tek 130S recorders, it makes economic sense to procure the balance required (10, to include 3 spare) manufactured by Trimble Navigation Limited. (This company acquired the manufacturer, Refraction Technologies, Inc., in 2012; Ref Tek is a division of Trimble.). It markets and sells the product directly without using resellers or other channel partners so there are no competing vendors. Purchasing the same product that already exists in the GPO inventory will make the entire network consistent with software and other external peripherals, ensuring ease of maintenance and minimizing performance risk.

EXPLAIN WHY AN ADEQUATE PURCHASE DESCRIPTION OR OTHER INFORMATION SUITABLE TO SOLICIT BY FULL AND OPEN COMPETITION HAS NOT BEEN DEVELOPED OR IS NOT AVAILABLE: To purchase other than Ref Tek 130S recorder would increase the cost by a minimum for the additional 10 devices plus cables. If a non-Ref Tek 130S product were procured, much additional time and added costs would be needed to re-configure the network including the software. There is only one source from which to procure the required product: the manufacturer, so soliciting full and open competition does not make sense. Only One Responsible Source and No Other Supplies or Services Will Satisfy Agency Requirements, see FAR 6.302-1 (b) (1) (i).

PROVIDE A STATEMENT OF ACTIONS, IF ANY, THE GOVERNMENT MAY TAKE TO REMOVE OR OVERCOME ANY BARRIERS TO COMPETITION BEFORE FUTURE ACQUISITIONS ARE REQUIRED: Future acquisition is likely to remain single source because each brand of digitizer is currently only be sold by its own manufacturer. Also, mixing product within a seismic network is neither technically prudent nor cost effective. Future market research will aim to assess whether the marketplace is shifting: are manufacturers beginning to add partner channels and will any emerging products to offer technical and/or price advantages above and beyond what is currently available and appropriate for the GPO.

I certify that the statements above are complete and correct to the best of my knowledge.

SIGNATURE, TITLE OF CUSTOMER and ACTIVITY

CODE

TELEPHONE NUMBER

DATE

REVIEWED BY PURCHASING AGENT/CONTRACT SPECIALIST

CODE

TELEPHONE NUMBER

DATE

APPROVED BY WARRANTED CONTRACTING OFFICER

CODE

TELEPHONE NUMBER

DATE